

FIGURE 1

*	*	*	***
MATTQSCQSRSSACSKAAACFPAAVAVDEEHGHSHQLKGAQEEAENDNNKPELRRGPW			
M-----			-----RKGPW
MGRPPCC-----			-----DKVGKKGPW
MDK-----			-----KQLCNTSQD-PEVRKGPW
MDK-----			-----K-LGNTSHD-PEVRKGPW
MDK-----			-----KPCDSS-HD-PEVRKGPW
MDK-----			-----KQCKTSQD-PEVRKGPW
MST-----			-----IAKRDLSSEEESELRRGPW
M-----			-----DGKGAR---SSNTLLSEDEM-----DLRRGPW
M-----			-----DEKGAR---SSNTLLSEDEM-----DLRRGPW
MST-----			-----SKSVSSSEDDNELRRGPW
MST-----			-----SKSVSSSEDDNELRRGPW
MGRPPCC-----			-----DKEGVKKGPW
MDK-----			-----KPC-NSSQD-PEVRKGPW
1			60

SEQ ID NO:10
SEQ ID NO:14
SEQ ID NO:26
SEQ ID NO:30
SEQ ID NO:32
SEQ ID NO:34
SEQ ID NO:36
SEQ ID NO:42
SEQ ID NO:44
SEQ ID NO:46
SEQ ID NO:48
SEQ ID NO:50
SEQ ID NO:54
SEQ ID NO:63

**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TVDEDLTLVNYIADNGEGRWNNLARAAGLK---	RTGKSCRLRWLNLYLRPDVKRGNFSADE																		
TEQEDVQLVWFVRLIGERRWDFLAKVSG---	LQMSGKSCRLRWVNYLHPGLKGRMSPEE																		
TPEEDLMLVSYIQEHGAGNWRVPTNTGLM---	RCSKSCRLRWNTNLYLRPGIKRGNFTEQE																		
TMEEDLILINYIANHGEVWNSLAKAAGLK---	RTGKSCRLRWLNLYLRPDVRRGNITPEE																		
TMEEDLILITYIANHGEVWNSLAKAAGLK---	RTGKSCRLRWLNLYLRPDVRRGNITPEE																		
IMEEDLILINYIANHGEVWNSLAKAAGLK---	RTGKSCRLRWLNLYLRPDVRRGNITPEE																		
TMEEDLILMNYIANHGEVWNSLAKAAGLK---	RNGKSCRLRWLNLYLRPDVRRGNITPEE																		
TLEEDSLLIHYIARHGEGRWNMLAKSAGLK---	RTGKSCRLRWLNLYLPDIKRGNLTPQE																		
TVDEDLTLINYIATHGEGRWNTLALSAGLK---	RTGKSCRLRWLNLYLRPDVRRGNITLEE																		
TVDEDLTLINYIATHGEGRWNTLALSAGLK---	RTGKSCRLRWLNLYLRPDVRRGNITLEE																		
TLEEDNLLSQYIFNHGEGRWNLLAKRSGLK---	RTGKSCRLRWLNLYLPDVKRGNLTPQE																		

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FIGURE 1 CONTINUED

SEQ ID NO:50	TL EEDNLLSQYISSHGEGRWNLLAKRSLK---RTGKSCRLRWLNLYKPDVVKRGNLTPQE	61
SEQ ID NO:54	TPEEDIILVYIQEHGPGNWRAPAKTGLS---RCSKSCRLRWLNLYKPDVVKRGNLTPQE	120
SEQ ID NO:63	TMEEDLILINIANHGEVGNWNSLAKAAGLK---RTGKSCRLRWLNLYKPDVVKRGNLTPQE	120
	61	
SEQ ID NO:10	Q L L I L D L H T R W G N R W S K I A Q H L P G R T D N E I K N Y W R T R V Q K H A K Q L N C D A N S K R F K D A ---	
SEQ ID NO:14	ERMVVQLHAKLGNRWSRIAKSIPGRTDNEIKNYWTRHLRK---LKLQKQKQSDDD---	
SEQ ID NO:26	EKLIVHLQALLGNRWAAIASYLPERTDNDIKNYWNTHLKKLKKMQAAGGEDSGAASEG	
SEQ ID NO:30	Q L L I M E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H I K Q A E - N - F Q Q Q I S N ---	
SEQ ID NO:32	Q L L I M E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H L K Q A S - S S F Q Q Q S S N ---	
SEQ ID NO:34	Q L L I I E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H I K Q A E - T S Q Q H G N S S ---	
SEQ ID NO:36	Q L L I M E L H A K W G N R W S K I A K H L P G R T D N E I K N Y W R T R I Q K H I K Q A E - N - F Q Q Q S S N ---	
SEQ ID NO:42	Q L L I L E L H S K W G N R W S K I A Q H L P G R T D N E I K N Y W R T R I Q K Q A R Q L N I E S G S K R F I D A ---	
SEQ ID NO:44	Q L L I L E L H S R W G N R W S K I A Q Y L P G R T D N E I K N Y W R T R V Q K H A K Q L K C D V N S K Q F K D T ---	
SEQ ID NO:46	Q L L I L E L H S R W G N R W S K I A Q Y L P G R T D N E I K N Y W R T R V Q K H A K Q L K C D V N S K Q F K D T ---	
SEQ ID NO:48	Q L I I L E L H S K W G N R W S K I A Q H L P G R T D N E I K N Y W R T R I Q K Q A R H L K I Y T D S R E F Q E L ---	
SEQ ID NO:50	Q L I I L E L H S K W G N R W S K I A Q N L P G R T D N E I K N Y W R T R I Q K Q A R H L K I D T D T R E F Q E L ---	
SEQ ID NO:54	E K M I I H L Q D L L G N R W A A I A S Y L P Q R T D N D I K N Y W N T H L R K K L K K M Q A G G E G ---	
SEQ ID NO:63	Q L L I M E L H S K W G N R W S K I A K H L P G R T D N E I K N F W R T R I Q K H I K Q V D - N P N Q Q N F Q Q K ---	180
	121	
SEQ ID NO:10	-----MRYLWMPHLADDVDTIAAANDDD-EDHHHNLRLVLHHHQAQ	
SEQ ID NO:14	-----HH-----NDNDDDDDRNSS-SSSSSSNSNSNLQQQPQ-	
SEQ ID NO:26	GGRGDGDGGGKSVKAAAPKGQWERRLQTDIHTARQALRDALS-----LDHPDPSPAT	
SEQ ID NO:30	-----NSEINDHQAS---TSHVSTMAEPMETYSPPF	
SEQ ID NO:32	-----SEIIYHPQAC---TSQVSTMAQPIETYSPPS	
SEQ ID NO:34	-----ENSNDHQASNS-TSKVSTMAHPNETFSSPS	

SEQ	ID	NO:36
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HLQAAAAAGGAANDLAAGAYDVRQL---HALPSSGMAATSSSDSLASESYDDGGLLFAN
-----PEDE-----SSASGSLQAQHEDHQHQLFLH-PLWNDDIIVDVDCWSSSTNVVA
AAAAATPAGSSAA---YASSADNIARLLQGWMR--PGGGGGGNGKGPEA---SGSTST
YQGML-----YQGM-----EPFS-----
YQGML-----YQGM-----DPFS-----
YQATF-----YQATF-----EPFQP-----
YQGM-----YQGM-----EPFST-----
NLGNSG---EASMSMSSSFNINPSMSSSPKGNLLWM---MP---NHF-
---TMHTPTREAT
YTKFEVLNHKGRMGLTDPVANNDFVGSHVTQRYPTPENSSTGASSSDSFGTQVSTISD
TVGTIPPWQGPCMNEAGPTYMDQHEQTQTRNTNNGSCISLSESANIPKVP-----QHFG
L-----CLLMV-----FLS-----IQL-----
SSSFSSTKPTTTQSVCYASSADNIARMLKGWMKNPKSSRTNSSMTQNSFNLAGADTA
YQGTL-----YQGT-----EPF-P-----

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FIGURE 1 CONTINUED

SEQ ID NO:10	LRAGENLMDGGDWAAQQEADQGL-----WPPPPPPPSDLDQSVVQAAGAGAGQFQ-----D
SEQ ID NO:14	PP-----PM-----PAS-----
SEQ ID NO:26	TATTQQQPQCSGEGAASA-----SASASQSGAAAAATAQT-----PECS
SEQ ID NO:30	-----IQFP-----T
SEQ ID NO:32	-----IQFP-----T
SEQ ID NO:34	-----QFL-----Q
SEQ ID NO:36	-----QFP-----T
SEQ ID NO:42	-----KYYVQ-----PHQSI PRF-----LPI FTAT-----
SEQ ID NO:44	L-----ITNSRFTITRA-----
SEQ ID NO:46	LTENSSVPENTNSADY--YQPSQISNY---SDNCITSPSGFLFPQGLDLQSM-----
SEQ ID NO:48	HTTITQFHAL-----NTNDFGTFTYEGYN--VNNNVYEMDNFKTTTWVAEDAQYPIGDCQ
SEQ ID NO:50	--LGPYHHI-----HT-----PLG-----
SEQ ID NO:54	CSSGAKGPLSSAELSENNFESL---FDFDQSLSSNSDQFSQSLS-----PEAT
SEQ ID NO:63	-----TQFP-----T

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FIGURE 1 CONTINUED

SEQ ID NO:10	MELSGWV-----QGFSEITDNFWALEEIWKMQ.-----
SEQ ID NO:14	---PLWDID-----DAFFCSDYSLPLWG.-----
SEQ ID NO:26	TETSK---MATGGGAGGPAPAFSMLESWLLDDGGGMLMDVVPGLGDPSEFF
SEQ ID NO:30	INPDQ-----SSCCTNDNNSINYWSMEDIWSMQLLN---GD.-----
SEQ ID NO:32	-NPHH-----SSCCTNDNNSINYWSMEDIWSMQL-A---NY.-----
SEQ ID NO:34	SMINQ-----VVVPATT-----TIGASRISGRIC---NYSMEIN
SEQ ID NO:36	INPDQ-----SSCCTNDNNSINYWSMEDIWSMQLLN---G-----D
SEQ ID NO:42	-----KWG-----
SEQ ID NO:44	-PNTPWNMQSGDSSDN-----FWDVESMLFLEQQL---MNDNM-
SEQ ID NO:46	MVGSNWV-----NNDFACNMWNMDLWQFSKLQ-----K
SEQ ID NO:50	-----RDLV.-----
SEQ ID NO:54	VLQDE---SKPDINIAAEIIMPFSLEKWLLEAGCQEKLVGCCGDAK-FF
SEQ ID NO:63	INNDH-----HQNSNCCANDNNSN-NYWSMEDIWSMQLLN---G-----D

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